

Atty Docket No. JCLA3573

Serial No. 10/033,883

**IN THE CLAIMS**

Please amend the claims as follows.

1. (currently amended) A scanning analyzer unit, for analyzing ~~testing~~ a sample in a testing support, the scanning analyzer unit comprising:

a scanner device, for scanning the testing support suitable for supporting a reaction of analytes in the sample to achieve a color separation, wherein the scanner device outputs a test signal corresponding to concentrations of the analytes in response to scanning of the testing support after the reaction of the analytes;

a computing unit, coupled to the scanner device, for receiving and analyzing the test signal ~~to output a control signal~~ to obtain concentrations values of the analytes;

a controller device, coupled to the scanner device, for ~~receiving the control signal and~~ outputting a driver signal ~~according to the control signal~~; and

a driver device, coupled to the controller device, for receiving the driver signal and driving the scanner device to measure the concentrations of the analytes.

**Claim 2 (canceled)**

3. (previously presented) The scanning analyzer of claim 1, further comprising a signal amplifier coupled to the scanner device to amplify the test signal.

4. (previously presented) The scanning analyzer unit of claim 3, further comprising an analog/digital converter coupled to the signal amplifier and the computing unit, wherein the analog/digital converter converts the amplified test signal into a digital signal that is transferred to the computing unit.

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5. (previously presented) The scanning analyzer unit of claim 1, further comprising an interface placed between the computing unit and the controller device to enable signal transfer between the computing unit and the controller device.

6. (original) The scanning analyzer unit of claim 5, wherein the interface is a standard RS-232 interface.

7. (previously presented) The scanning analyzer unit of claim 1, wherein the sample is of chemical or biological nature.

8. (currently amended) A scanning analyzer unit comprising:

a scanner device, for scanning the testing support and outputting a test signal according to a color separation resulting from reaction of analytes in the testing support corresponding to concentrations of the analytes in the testing support;

a signal amplifier, coupled to the scanner device, for receiving the test signal and amplifying the test signal;

an analog/digital converter, coupled to the signal amplifier, for converting the amplified test signal into a digital signal;

a computing unit, coupled to the analog/digital converter, for receiving and processing the digital signal, and outputting a control signal concentration values of the analytes in the testing support according to the digital signal;

a controller device, coupled to the computing unit, for receiving ~~the control signal~~ and outputting a driver signal;

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an interface, placed between the computing unit and the controller device, for transferring signal between the computing unit and the controller device; and

a driver device, coupled to the controller device and the scanner device, for driving the scanner device according to the driver signal to measure concentrations of the analytes.

9. (original) The scanning analyzer unit of claim 8, wherein the interface is a standard RS-232 interface.

10. (previously presented) The scanning analyzer unit of claim 8, wherein the sample is of chemical or biological nature.

11. (new) A scanning analyzer unit, comprising:

a scanner device, for scanning a testing support suitable for supporting a reaction of analytes contained in a sample, wherein the scanner device is adapted for emitting a plurality of monochromatic lights of different wavelengths to scan the sample and outputting a test signal corresponding to concentrations of the analytes contained in the sample;

a computing unit, coupled to the scanner device, for receiving and analyzing the test signal;

a controller device, coupled to the scanner device, for outputting a driver signal; and

a driver device, coupled to the controller device, for receiving the driver signal and driving the scanner device to measure concentrations of the analytes.

12. (new) The scanning analyzer of claim 11, further comprising a signal amplifier coupled to the scanner device to amplify the test signal.

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13. (new) The scanning analyzer of claim 11, further comprising a signal amplifier coupled to the scanner device to amplify the test signal.

14. (new) The scanning analyzer unit of claim 13, further comprising an analog/digital converter coupled to the signal amplifier and the computing unit, wherein the analog/digital converter converts the amplified test signal into a digital signal that is transferred to the computing unit.

15. (new) The scanning analyzer unit of claim 11, further comprising an interface placed between the computing unit and the controller device to enable signal transfer between the computing unit and the controller device.

16. (new) The scanning analyzer unit of claim 15, wherein the interface is a standard RS-232 interface.

17. (new) The scanning analyzer unit of claim 11, wherein the sample is of chemical or biological nature.